

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2022-04
Boone | 6-80000 | KY-237

This document constitutes a Request for Proposals for a Professional Service Contract from qualified individuals and organizations to furnish those services as described herein for the Commonwealth of Kentucky, Department of Highways.

I. PROJECT DESCRIPTION

County - Boone
Route - KY-237
Item No. - 6-80000.00
Project Description - Reconstruct Gunpowder Road (KY-237) from US-42 to KY-536

II. PROJECT INFORMATION

Project Manager - Ellen Gregory, P.E.
User Division - Highway Design
Approximate Fee - \$750,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - State Funds (SPP funds)
Project Length - Approximately 1.588 miles

III. PURPOSE AND NEED

Boone County is rapidly growing with extensive residential and industrial growth. Traffic demand and congestion are ever increasing along the main arteries of this roadway network. KY-237, north of US-42, is under construction and scheduled to open in 2022 as a 5-lane urban facility with curb, gutter and sidewalks. KY-536 was recently reconstructed as a 5-lane urban facility with curb, gutter and sidewalks. This 1.5 mile section of roadway is currently a 2-lane rural typical with no pedestrian facilities. The purpose of this project is to improve safety, connectivity, and mobility for vehicles, pedestrians, and bicyclists on KY-237 (Gunpowder Road) between KY-536 and US-42 by constructing a modern and efficient roadway which better connects residents and businesses in Boone County.

IV. DBE REQUIREMENT

None

V. SCOPE OF WORK

The selected Consultant will be required to provide engineering services to:

- Preliminary Line & Grade plans for the redesign of KY-237 from KY-536 to US-42
- Survey will be required
- Conduct public involvement activities
- Traffic Analysis
- Development of Cost estimates associated with Phase I Design
- Identify Right of Way and Utility impacts
- NEPA documentation
- Development of the Design Executive Summary

VI. SPECIAL INSTRUCTIONS

The Department may retain any of the advertised services to be performed by in-house state forces.

Instructions for Response to Announcement can be found at:

<https://transportation.ky.gov/ProfessionalServices/Pages/Respond-to-an-Announcement.aspx>

VII. AVAILABLE STUDIES

[DNA Study – Boone | 6-80000 | KY-237](#)

[Final Roadway Plans - Boone | 6-8001.10 | KY-237](#)

*Link added 10/14/21

[ROW Plans - Boone | 6-158 | KY-536](#)

*May not be accurate. For Viewing Purposes Only

VIII. METHOD OF DESIGN

The selected Consultant shall utilize the most recent CADD Standards for Highway Plans Policy in the development of the highway plans. Refer to the 2019 CADD Standards for ORD V4 Project Development Memo for information pertaining to the latest CADD Standards and plan submittal.

IX. ENVIRONMENTAL SERVICES

Any necessary Environmental Services are expected to be provided by the Consultant. The anticipated environmental document will be a Categorical Exclusion Level 2. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

X. PHOTOGRAMMETRIC SERVICES

The Department will provide LiDAR digital mapping and will furnish manuscripts on computer disks in DGN format. The selected Consultant shall supplement this information with conventional surveying as needed.

XI. STRUCTURE DESIGN

Structure Design is not anticipated for Preliminary Design. When the project advances to Final

Design and if the selected Consultant is retained for Final Design services, the selected Consultant shall do the necessary engineering services to submit to the KYTC an Advanced Situation Folder(s) for the appropriate structure(s). The selected Consultant may be responsible for any necessary Structure Design services. Structure Design of the proposed structure(s) may be added as a Contract Modification. Prequalification in the area of Structure Design is required to be identified in the Consultant's Response to Announcement.

XII. GEOTECHNICAL SERVICES

The Department is expected to provide all Geotechnical Services but the selected Consultant may be asked to provide Geotechnical Services required for the project. The Preliminary Design contract may include preliminary geotechnical services to review available geological, mining, or other geotechnical information that could influence the selection of the preferred alternate. Geotechnical services necessary for the completion of Final Design may be added by contract modification at the appropriate time. At any time, if the Department has the capacity to provide these services, the Department may retain the advertised geotechnical services. Prequalification in the area of Geotechnical Services is not required to be identified in the Consultant's Response to Announcement; however, the selected Consultant must obtain the required qualifications before providing these services, or bring a prequalified subconsultant at that time.

XIII. TRAFFIC ENGINEERING

The selected Consultant will provide the analysis of the existing and proposed operations. Traffic Signal Design and Lighting Design services, if necessary for the completion of Final Design, may be added by Contract Modification at the appropriate time. At any time, if the Department has the capacity to provide these services, the Department may retain the advertised traffic services.

XIV. UTILITIES

The Department will be responsible for determining the existing locations of utilities to determine feasibility of redesign or utility relocation and cost estimates.

The selected Consultant shall provide a project location map to the Department. The Department will send project location maps to all potential utility contacts to determine whether they may have existing utilities within these project limits. The Department will develop the utility contact list. Facility atlas maps received for this project will be provided to the selected Consultant. All utilities including aerial carriers shall be field-verified by the Consultant. Sizes and types of underground and aerial utilities shall be identified on the plans for each alignment alternative in the PL&G submittal.

The Department will authorize B.U.D. (Before You Dig) to field-locate utilities during final design. The consultant shall perform field surveys to collect the B.U.D. data. Horizontal location of existing utilities shown on final plans shall be adjusted as necessary to reflect actual B.U.D. locates.

XV. PREQUALIFICATION REQUIREMENTS

To respond to this project the Consultant must be prequalified in the following areas by the response due date of this advertisement:

Environmental & UST Services

- UST & Hazmat Preliminary Site Assessment (Phase 1)
- UST Site Investigation (Phase 2)
- Hazmat Site Investigation (Phase 2)

Environmental Aquatic & Terrestrial Ecosystems Analysis

- Fisheries
- Botany
- Terrestrial Zoology
- Wetlands
- Freshwater Macroinvertebrates
- Water Quality

Environmental Archeology & Other Services

- Air Quality Analysis
- Prehistoric Archaeology
- Socio-Economic Analysis
- Highway Noise Analysis
- Historic Archaeology
- **EIS Writing & Coordination**
- Cultural-Historic Analysis
- Stream & Wetland Mitigation

Roadway Design

- Rural Roadway Design
- Surveying
- Advanced Drainage Analysis & Design
- Urban Roadway Design

Structure Design

- Spans Under 500 Feet

Transportation Planning

- Traffic Forecasting
- Traffic Data Collection
- Pedestrian & Bicycle Planning & Design
- Travel Demand & Simulation Modeling

Geotechnical Services* (please see note below)

- *Geotechnical Engineering*
- *Geotechnical Drilling*
- *Geotechnical Laboratory Testing*

Traffic Engineering* (please see note below)

- *Electrical Engineering Roadway Lighting*
- *Electrical Engineering Traffic Signals*

Utility Design* (please see note below)

- *Water & Sewer Level 1*

** Note – Geotechnical Services, Traffic Engineering, and Utility Design prequalifications are not required with the initial proposal as it is uncertain to the extent practicable if they are necessary. Should these services become necessary during the delivery of the project in this or future phases, the selected Consultant team must obtain the required qualifications before providing those services, or bring on a prequalified subconsultant at that time.*

XVI. PROCUREMENT SCHEDULE

Dates other than Response Date are tentative and provided for information only.

- Advertisement Date: October 12, 2021
- Response Date: November 3, 2021 by 4:30 PM ET (Frankfort Time)
- First Selection: November 8, 2021
- Final Selection: November 22, 2021
- Pre-Design Conference: December 1, 2021
- Consultant Fee Proposal: December 10, 2021
- Contract Negotiations: December 22, 2021
- Notice To Proceed: January 12, 2022

XVII. PROJECT SCHEDULE

- Preliminary Line and Grade January 2023
- Environmental Clearance March 2023

XVIII. EVALUATION FACTORS

Consultants will be evaluated by the selection committee based on the following, weighted factors:

1. Project approach and proposed procedures to accomplish the services for the project. (20 Points)
2. Relative experience of consultant personnel assigned to project team with highway project for KYTC and/or federal, local or other state governmental agencies. (15 Points)
3. Past record of performance on projects similar in type and complexity. (15 Points)
4. Capacity to comply with project schedule. (10 Points)
5. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

XIX. SELECTION COMMITTEE MEMBERS

1. Ellen Gregory, P.E., User Division
2. Amanda Desmond, P.E., User Division
3. Stephen De Witte, P.E., Secretary's Pool
4. Joseph Van Zee, P.E., Secretary's Pool
5. Bart Bryant, P.E., Governor's Pool

XX. AREA MAP

Disclaimer: KYTC provides this map as a reference only. Users are to validate information independently.
 Copyright: 2021 Kentucky Transportation Cabinet. All rights reserved.

